

15-007-20664

State Geological Survey
WICHITA BRANCH
KANSAS DRILLERS LOG

API No. 15 — 007 — 20,664
 County Number

Operator
 National Oil Company

Address
 200 W. Douglas, Suite 550, Wichita, KS 67202

Well No. 1-A Lease Name Forester

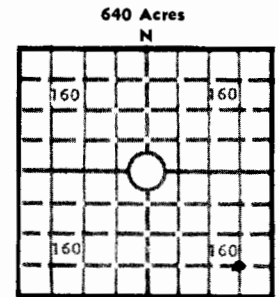
Footage Location
 660 feet from ~~CHK~~ (S) line 660 feet from (E) ~~XXX~~ line

Principal Contractor Graves Drilling Geologist Bob Douglas

Spud Date October 14, 1978 Total Depth 4577 P.B.T.D. 4526

Date Completed October 23, 1978 Oil Purchaser

S. 34 T. 33S R. 11WE
 Loc. SE SE
 County Barber



Elev.: Gr. 1377
 DF KB 1388

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12 1/4	8-5/8	28	219		160	2% gel, 3% cc
Production		4 1/2	10 1/2	4576	60-40 Poz	150	10% salt; 7 1/2#/sx Gils; 3/4% CFR2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			3	Jumbo Jets	4528-36
TUBING RECORD			3	Jumbo Jets	4517-25
Size	Setting depth	Packer set at			
2-3/8					

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 gal 15% DeMud Acid	4517-25
18,000# 20/40 sand; 156 bbl 3% acid wtr; 370 MCF nitrogen	4517-25

INITIAL PRODUCTION

Date of first production October 11, 1979	Producing method (flowing, pumping, gas lift, etc.) Flowing
RATE OF PRODUCTION PER 24 HOURS	Oil bbls. 400 MCF Gas Water Gas-oil ratio CFPB
Disposition of gas (vented, used on lease or sold) Sold	Producing interval(s) 4517-25

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas

operator
National Oil Company

DESIGNATE TYPE OF COMP.: OIL, GAS,
DRY HOLE, SWDW, ETC.:
Gas

Well No. 1-A Lease Name Forester

S 34 T 33 R 11 W E SE SE

WELL LOG

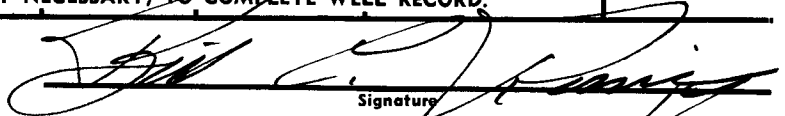
Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
DST #1, 4518-36'; 30-45-90-90; GTS in 45", gauged 10.8 MCFG in 10", 4.8 in 20", 7.7 in 30", 10 in 40", 11.1 in 50", 15.1 in 60", 17.8 in 70", 19.9 in 80", 21.2 MCFG in 90"; Rec 90' GCM; IFP 31-92; FFF 42-94; ISIP 1647; FSIP 1647.			Log Tops Lansing Kansas City B/Ks City Mississippi	3852 -2464 4092 -2704 4330 -2942 4508 -3120
DST #2, 4536-47'; 30-45-120-90; GTS in 31", gauged 29 MCFG in 36", 32.4 in 46", 37.6 in 56", 43.9 in 66", 51.8 in 76", 56.3 in 86", 57.7 in 96", 60.4 in 106", 61.9 in 116", 64.6 in 126", 66.2 in 136", 67.5 in 146"; Rec 40' GCM; IFP 21-31; FFF 21-73; ISIP 1668; FSIP 1658; T 115°.				

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received



Signature

Bill C. Romig, Vice President

Title

November 1, 1979

Date

ROTARY DRILLERS LOG

OPERATOR: National Oil Company DRILLING COMMENCED: October 14, 1978
 200 West Douglas - Suite 550
 Wichita, Kansas 67202

CONTRACTOR: Graves Drilling Co., Inc. DRILLING COMPLETED: October 23, 1978
 910 Union Center
 Wichita, Kansas 67202

CASING RECORD: 5 Jts. 219' of used 8-5/8" cemented with 160 sacks
 130 Jts. 4576' of used 4-1/2" cemented with 150 sacks

LOCATION: FORESTER NO. 1 "A"
 C SE SE
 Section 34-33S-11W
 Barber County, Kansas

0	-	15	Sod and Red Bed
15	-	219	Red Bed
219	-	2600	Shale and Lime
2600	-	2849	Shale
2849	-	3190	Shale and Lime
3190	-	3522	Lime and Shale
3522	-	3694	Shale and Lime
3694	-	3864	Lime
3864	-	4495	Lime and Shale
4495	-	4577	Lime
4577			Rotary Total Depth

I hereby certify the foregoing statements to be true and correct to the best of my knowledge.

GRAVES DRILLING CO., INC.

By *J. Graves* President